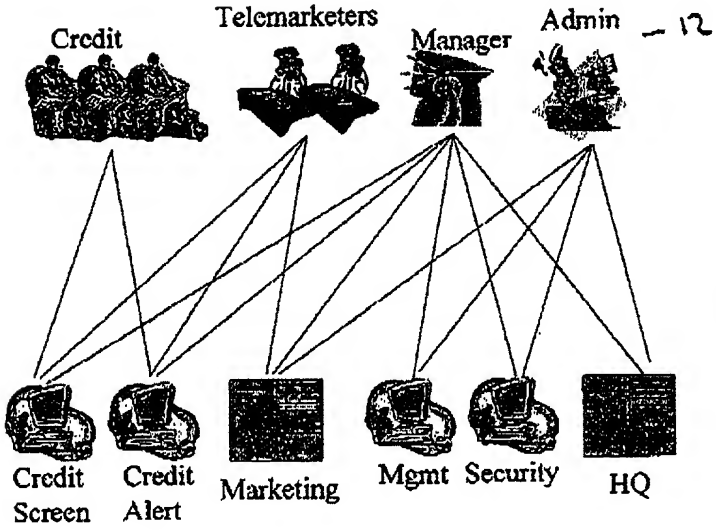
Credit
Telemarketers
Manager
Admin
12
10
Credit Screen
Credit Alert
Marketing
Mgmt
Security
HQ
14

Fig. 1

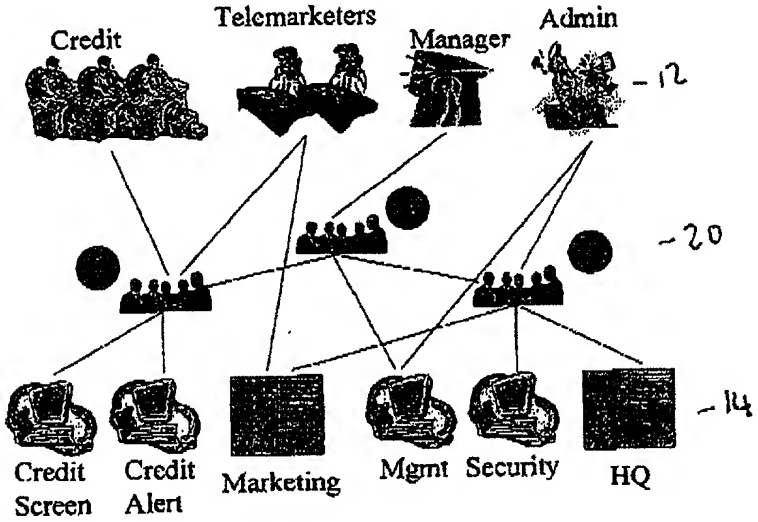
Credit
Telemarketers
Manager
Admin
12
20
Credit Screen
Credit Alert
Marketing
Mgmt
Security
HQ
14

Fig. 2

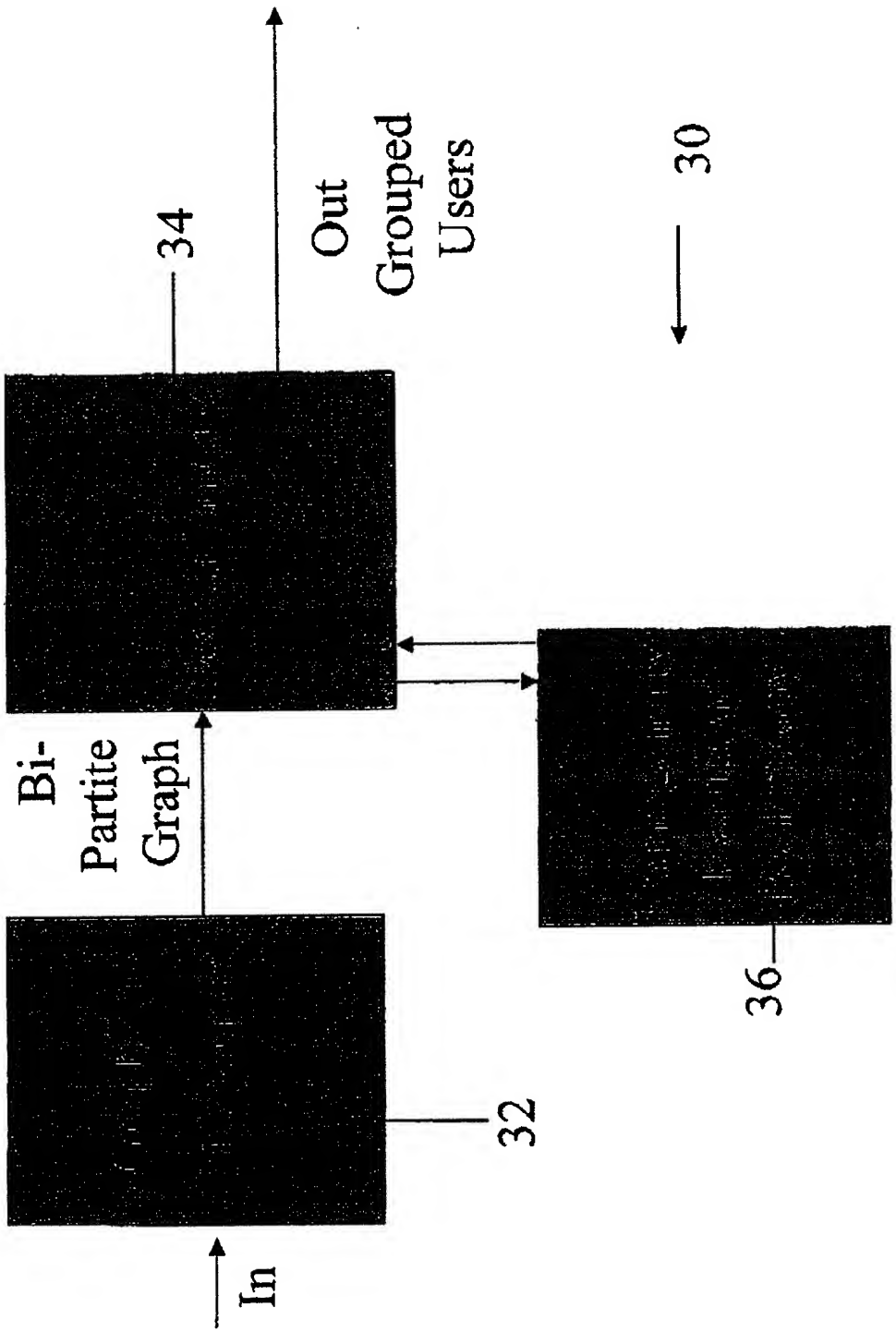

Fig. 3

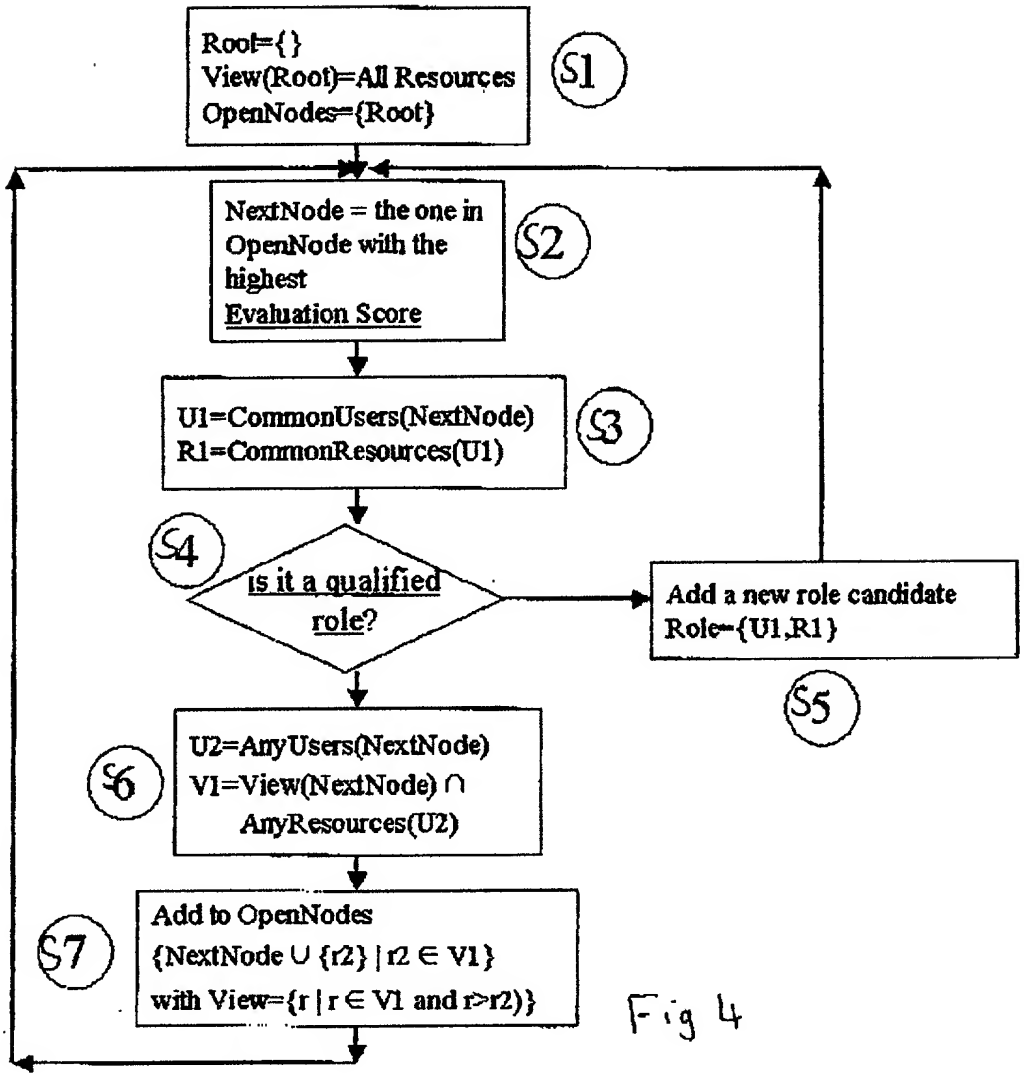
Root={}
View(Root)=All Resources
OpenNodes={Root}
S1
NextNode = the one in OpenNode with the highest Evaluation Score
S2
U1=CommonUsers(NextNode)
R1=CommonResources(U1)
S3
S4
is it a qualified role?
Add a new role candidate
Role={U1,R1}
S5
U2=AnyUsers(NextNode)
V1=View(NextNode) ∩ AnyResources(U2)
S6
Add to OpenNodes
{NextNode ∪ {r2} | r2 ∈ V1}
with View={r | r ∈ V1 and r>r2)}
S7

Fig 4

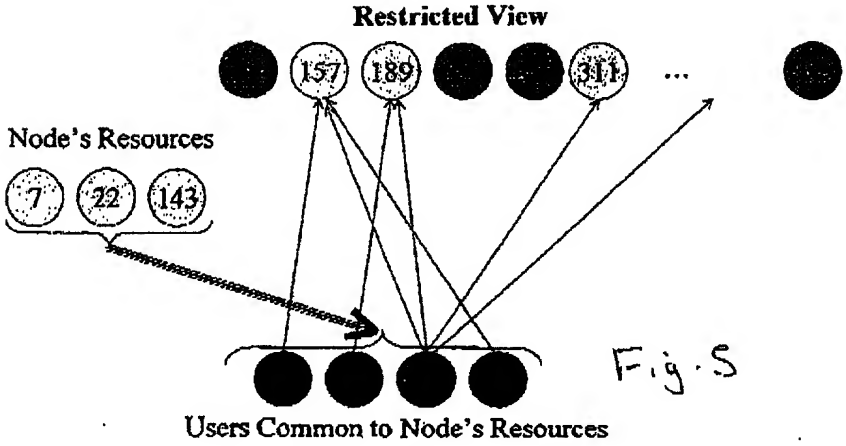
Restricted View
157
189
311
...
Node's Resources
7
22
143
Users Common to Node's Resources

Fig. 5

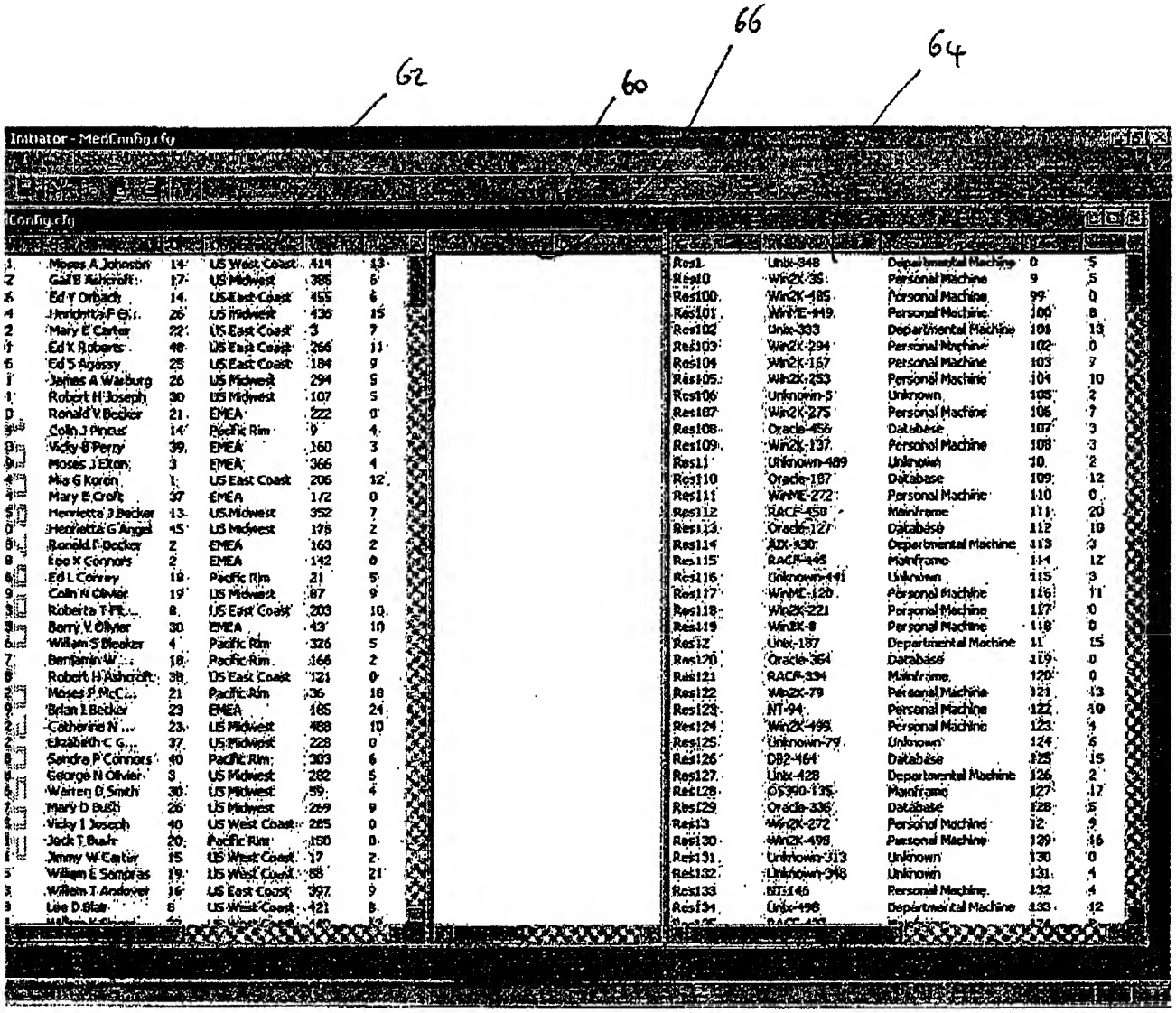

Fig. 6

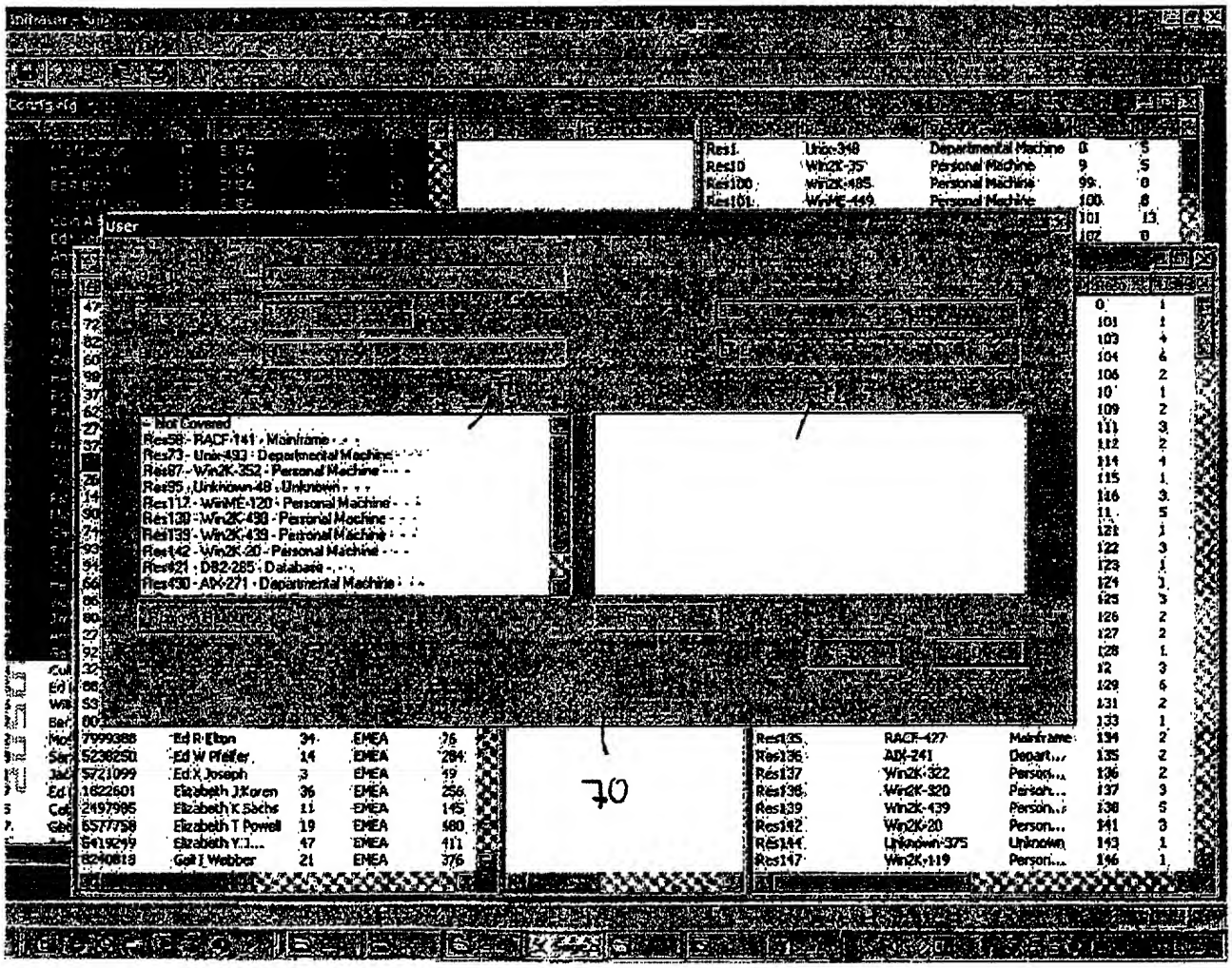

Fig. 7

80

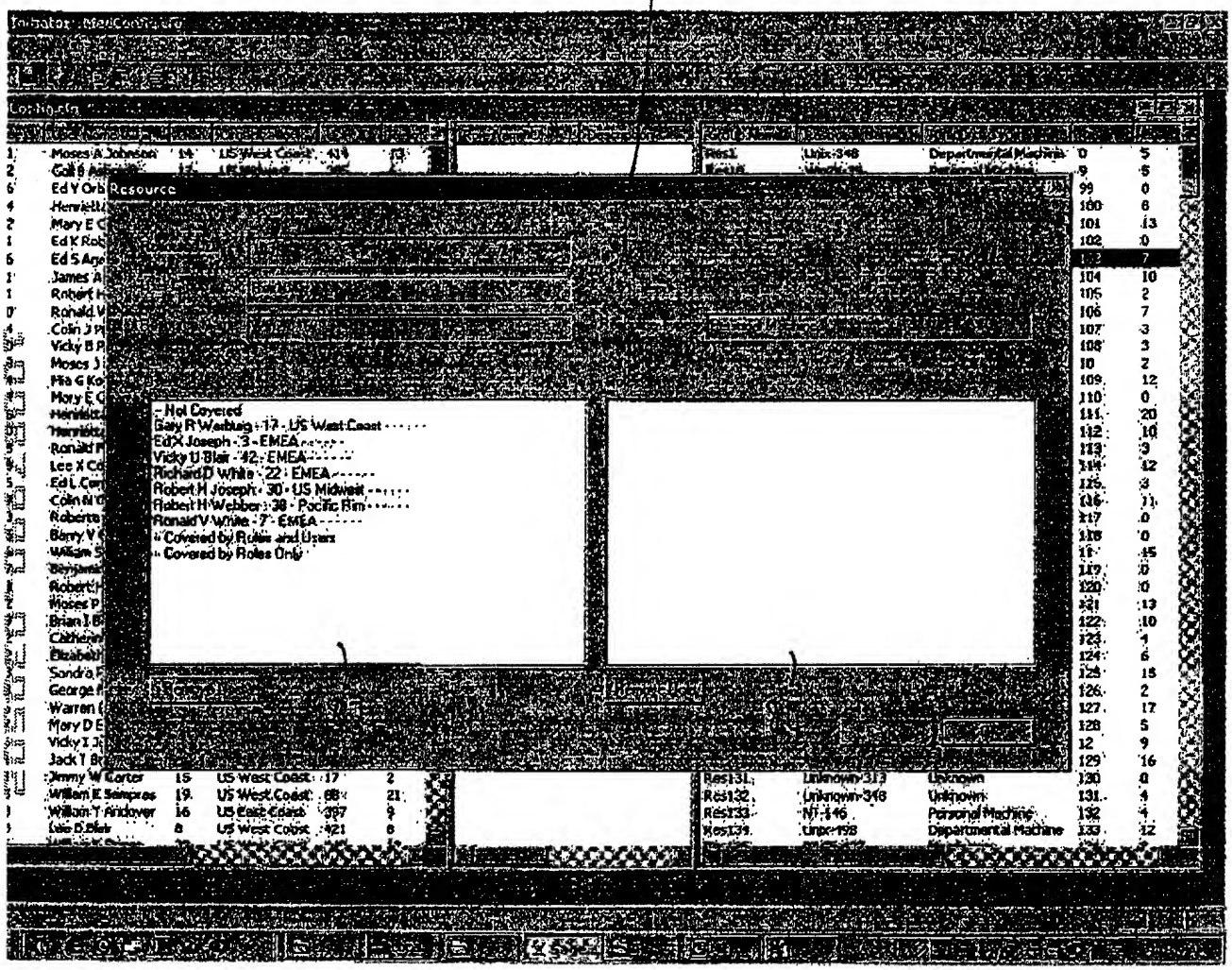
Resource
Not Covered
Gary R Wadburg : 17 - US West Coast
Edx Joseph : 3 - EMEA
Vicky U Blair : 42 - EMEA
Richard D White : 22 - EMEA
Robert H Joseph : 30 - US Midwest
Robert H Webber : 38 - Pacific Rim
Ronald V White : 7 - EMEA
Covered by Roles and Users
Covered by Roles Only

Fig. 8

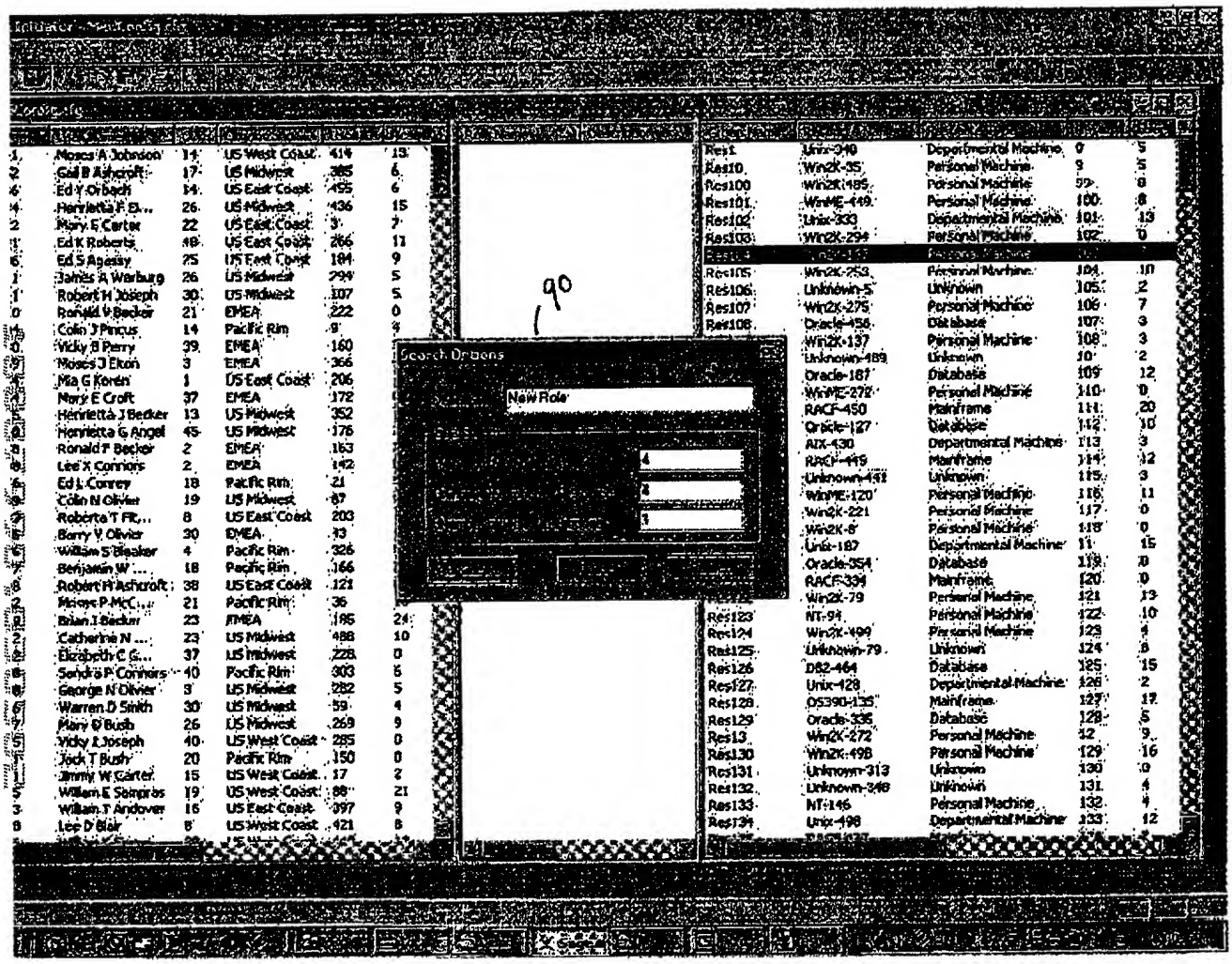

Fig. 9

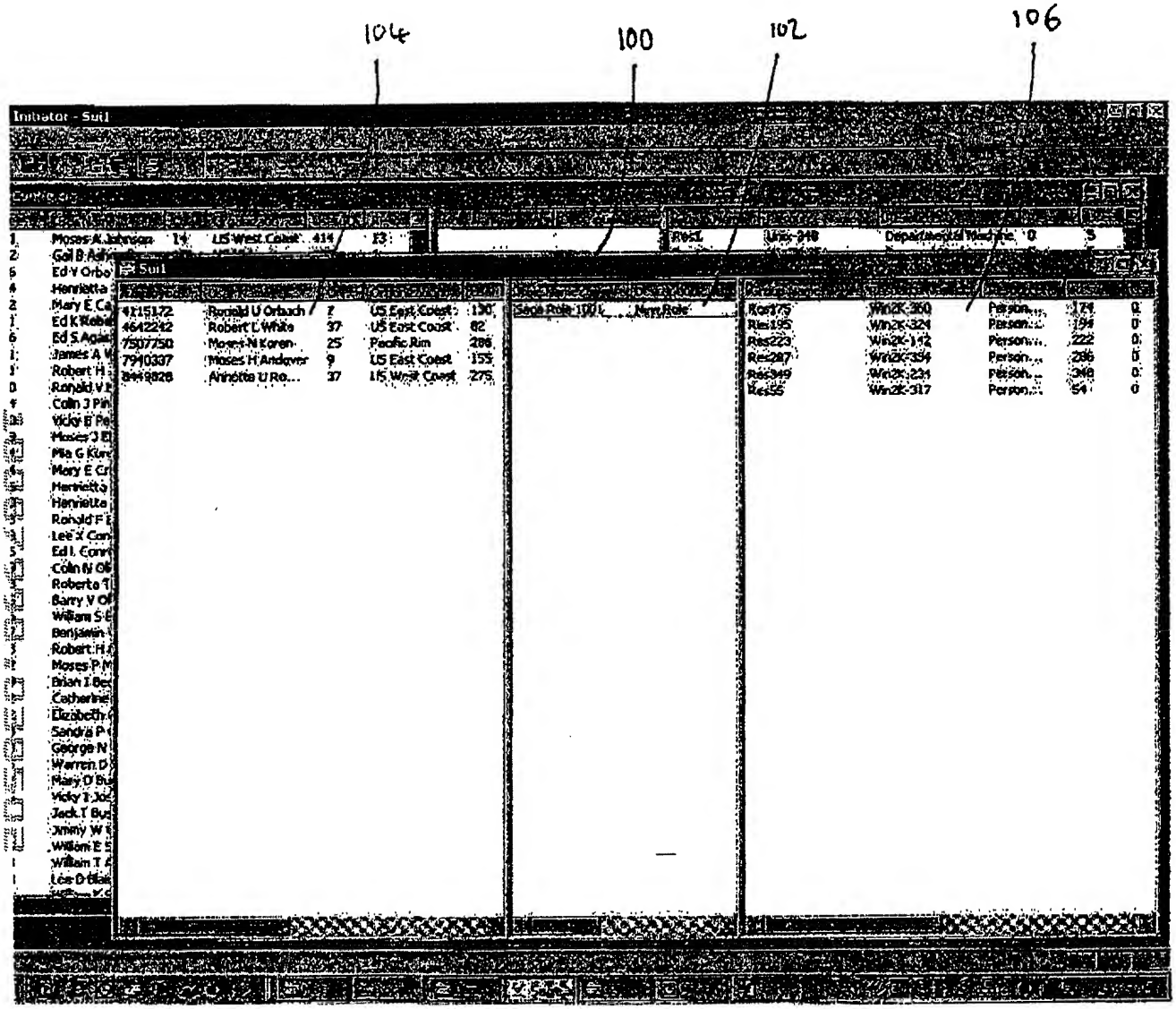

Fig 10

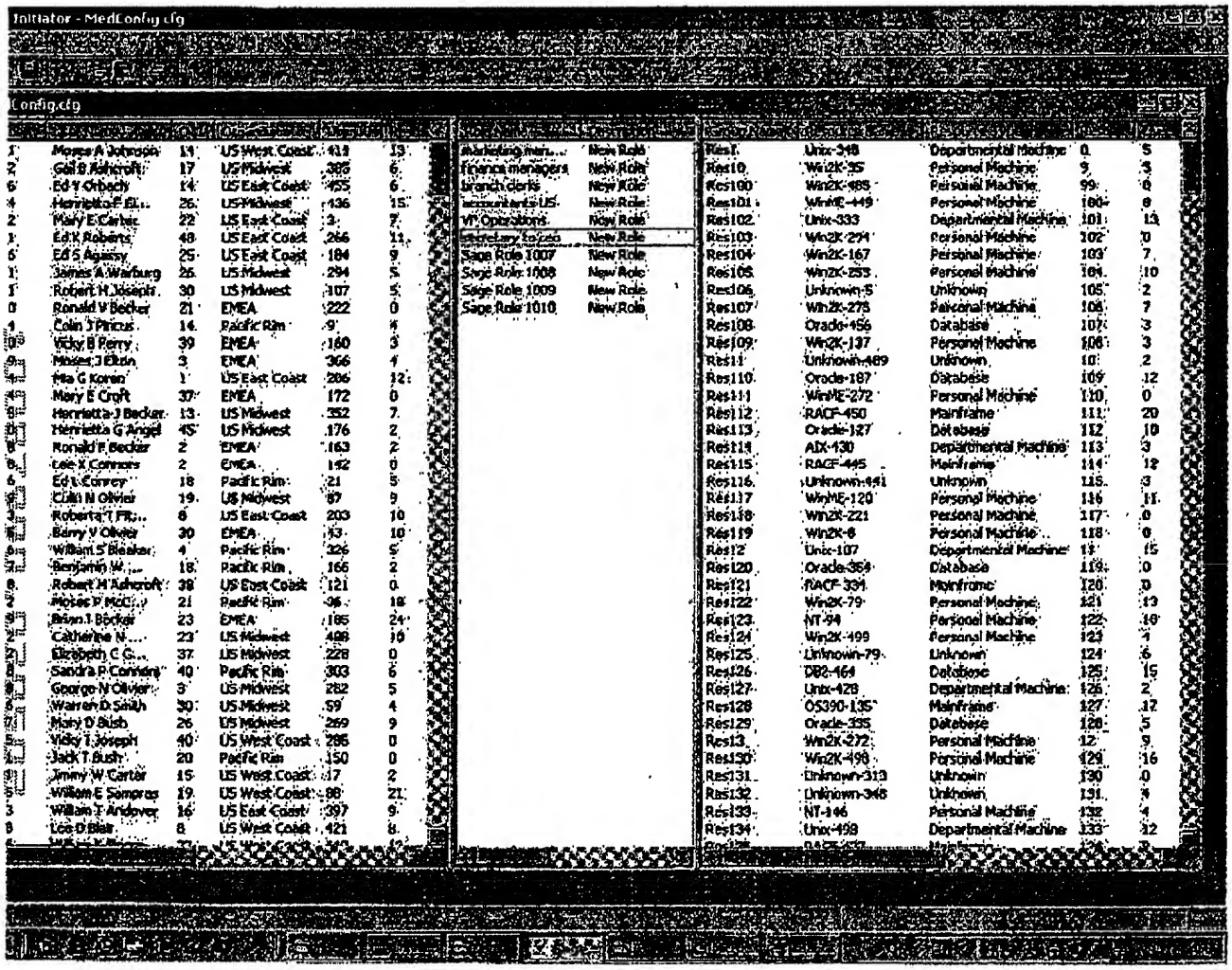
Initiator - MedConfig.cfg
Config.cfg
Marketing man...
Finance managers
branch clerks
accountants-US
VP Operations
secretary to ceo
Sage Role 1007
Sage Role 1008
Sage Role 1009
Sage Role 1010
New Role
Res1
Unix-348
Departmental Machine
Res10
Win2K-35
Personal Machine
Res100
Win2K-485
Personal Machine
Res101
WinME-449
Personal Machine
Res102
Unix-333
Departmental Machine
Res103
Win2K-294
Personal Machine
Res104
Win2K-167
Personal Machine
Res105
Win2K-253
Personal Machine
Res106
Unknown-5
Unknown
Res107
Win2K-275
Personal Machine
Res108
Oracle-456
Database
Res109
Win2K-137
Personal Machine
Res11
Unknown-469
Unknown
Res110
Oracle-187
Database
Res111
WinME-272
Personal Machine
Res112
RACF-450
Mainframe
Res113
Oracle-127
Database
Res114
AIX-130
Departmental Machine
Res115
RACF-445
Mainframe
Res116
Unknown-441
Unknown
Res117
WinME-120
Personal Machine
Res118
Win2K-221
Personal Machine
Res119
Win2K-8
Personal Machine
Res12
Unix-107
Departmental Machine
Res120
Oracle-364
Database
Res121
RACF-394
Mainframe
Res122
Win2K-79
Personal Machine
Res123
NT-94
Personal Machine
Res124
Win2K-499
Personal Machine
Res125
Unknown-79
Unknown
Res126
DB2-464
Database
Res127
Unix-428
Departmental Machine
Res128
OS390-135
Mainframe
Res129
Oracle-335
Database
Res13
Win2K-272
Personal Machine
Res130
Win2K-498
Personal Machine
Res131
Unknown-313
Unknown
Res132
Unknown-346
Unknown
Res133
NT-446
Personal Machine
Res134
Unix-498
Departmental Machine

Fig. 11